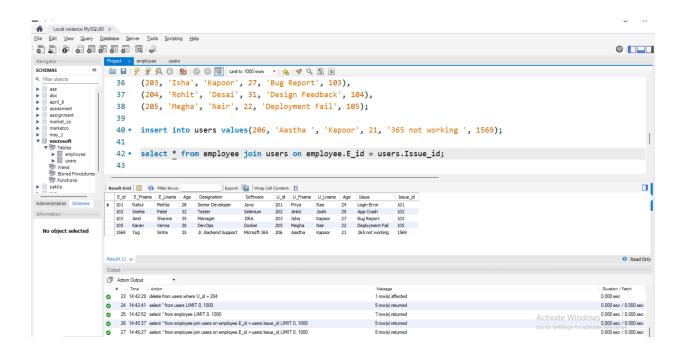```sql
create database microsoft;

use microsoft;

create table employee
(
E_id int primary key,
E_Fname varchar(20),
E_Lname varchar(20),
Age int,
Designation varchar(20),
Software varchar(30)
);

create table users
(
U_id int primary key,
U_Fname varchar(20),
U_Lname varchar(20),
Age int,
Issue varchar(20),
Issue_id int,
Foreign Key(Issue_id) references employee(E_id)
);

INSERT INTO employee (E_id, E_Fname, E_Lname, Age, Designation, Software) VALUES
(101, 'Rahul', 'Mehta', 28, 'Developer', 'Java'),
(102, 'Sneha', 'Patel', 32, 'Tester', 'Selenium'),
(103, 'Amit', 'Sharma', 35, 'Manager', 'JIRA'),
(104, 'Neha', 'Singh', 26, 'Designer', 'Figma'),
(105, 'Karan', 'Verma', 30, 'DevOps', 'Docker');

INSERT INTO users (U_id, U_Fname, U_Lname, Age, Issue, Issue_id) VALUES
```

(201, 'Priya', 'Rao', 24, 'Login Error', 101),
(202, 'Ankit', 'Joshi', 29, 'App Crash', 102),
(203, 'Isha', 'Kapoor', 27, 'Bug Report', 103),
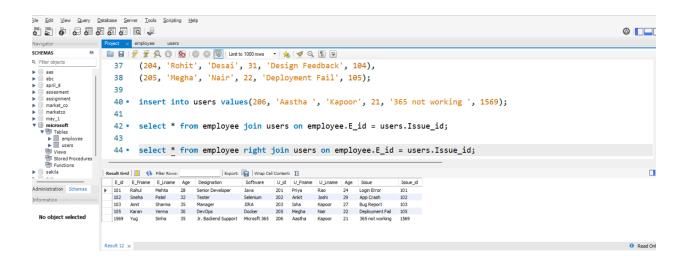(204, 'Rohit', 'Desai', 31, 'Design Feedback', 104),
(205, 'Megha', 'Nair', 22, 'Deployment Fail', 105);

insert into users values(206, 'Aastha ', 'Kapoor', 21, '365 not working ', 1569);

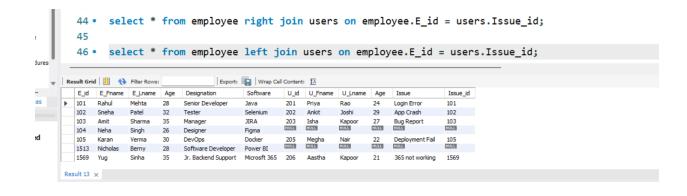- select * from employee join users on employee.E_id = users.Issue_id;
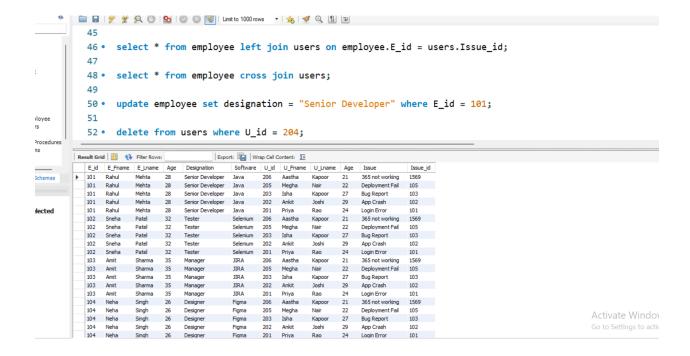
- select * from employee right join users on employee.E_id = users.Issue_id;



- select * from employee left join users on employee.E_id = users.Issue_id;

```sql
44 •   select * from employee right join users on employee.E_id = users.Issue_id;
45
46 •   select * from employee left join users on employee.E_id = users.Issue_id;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: IA

E_id	E_Fname	E_Lname	Age	Designation	Software	U_id	U_Fname	U_Lname	Age	Issue	Issue_id
101	Rahul	Mehta	28	Senior Developer	Java	201	Priya	Rao	24	Login Error	101
102	Sneha	Patel	32	Tester	Selenium	202	Ankit	Joshi	29	App Crash	102
103	Amit	Sharma	35	Manager	JIRA	203	Isha	Kapoor	27	Bug Report	103
104	Neha	Singh	26	Designer	Figma	NULL	NULL	NULL	NULL	NULL	NULL
105	Karan	Verma	30	DevOps	Docker	205	Megha	Nair	22	Deployment Fail	105
1513	Nicholas	Berny	28	Software Developer	Power BI	NULL	NULL	NULL	NULL	NULL	NULL
1569	Yug	Sinha	35	Jr. Backend Support	Microsft 365	206	Aastha	Kapoor	21	365 not working	1569

Result 13 ✕

- select * from employee cross join users;

Limit to 1000 rows

```sql
45
46 •   select * from employee left join users on employee.E_id = users.Issue_id;
47
48 •   select * from employee cross join users;
49
50 •   update employee set designation = "Senior Developer" where E_id = 101;
51
52 •   delete from users where U_id = 204;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: IA

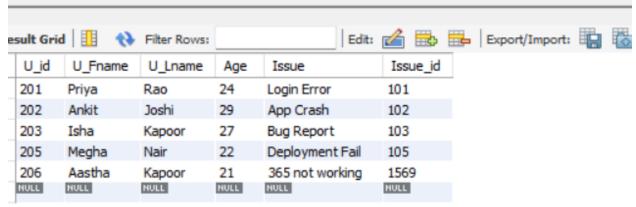| E_id	E_Fname	E_Lname	Age	Designation	Software	U_id	U_Fname	U_Lname	Age	Issue	Issue_id
101	Rahul	Mehta	28	Senior Developer	Java	206	Aastha	Kapoor	21	365 not working	1569
101	Rahul	Mehta	28	Senior Developer	Java	205	Megha	Nair	22	Deployment Fail	105
101	Rahul	Mehta	28	Senior Developer	Java	203	Isha	Kapoor	27	Bug Report	103
101	Rahul	Mehta	28	Senior Developer	Java	202	Ankit	Joshi	29	App Crash	102
101	Rahul	Mehta	28	Senior Developer	Java	201	Priya	Rao	24	Login Error	101
102	Sneha	Patel	32	Tester	Selenium	206	Aastha	Kapoor	21	365 not working	1569
102	Sneha	Patel	32	Tester	Selenium	205	Megha	Nair	22	Deployment Fail	105
102	Sneha	Patel	32	Tester	Selenium	203	Isha	Kapoor	27	Bug Report	103
102	Sneha	Patel	32	Tester	Selenium	202	Ankit	Joshi	29	App Crash	102
102	Sneha	Patel	32	Tester	Selenium	201	Priya	Rao	24	Login Error	101
103	Amit	Sharma	35	Manager	JIRA	206	Aastha	Kapoor	21	365 not working	1569
103	Amit	Sharma	35	Manager	JIRA	205	Megha	Nair	22	Deployment Fail	105
103	Amit	Sharma	35	Manager	JIRA	203	Isha	Kapoor	27	Bug Report	103
103	Amit	Sharma	35	Manager	JIRA	202	Ankit	Joshi	29	App Crash	102
103	Amit	Sharma	35	Manager	JIRA	201	Priya	Rao	24	Login Error	101
104	Neha	Singh	26	Designer	Figma	206	Aastha	Kapoor	21	365 not working	1569
104	Neha	Singh	26	Designer	Figma	205	Megha	Nair	22	Deployment Fail	105
104	Neha	Singh	26	Designer	Figma	203	Isha	Kapoor	27	Bug Report	103
104	Neha	Singh	26	Designer	Figma	202	Ankit	Joshi	29	App Crash	102
104	Neha	Singh	26	Designer	Figma	201	Priya	Rao	24	Login Error	101

- update employee set designation = "Senior Developer" where E_id = 101;

- Delete from users where U_id = 204;

- select * from employee where Software = "Java";

```
53
54 •  select * from employee where Software = "Java";
```

E_id	E_Fname	E_Lname	Age	Designation	Software
101	Rahul	Mehta	28	Senior Developer	Java
NULL	NULL	NULL	NULL	NULL	NULL

- select * from users;

```
54 •  select * from employee where Software =
55
56 •  select * from users;
```

U_id	U_Fname	U_Lname	Age	Issue	Issue_id
201	Priya	Rao	24	Login Error	101
202	Ankit	Joshi	29	App Crash	102
203	Isha	Kapoor	27	Bug Report	103
205	Megha	Nair	22	Deployment Fail	105
206	Aastha	Kapoor	21	365 not working	1569
NULL	NULL	NULL	NULL	NULL	NULL

- select * from employee;

```
57
58 •   select * from employee;
```

E_id	E_Fname	E_Lname	Age	Designation	Software
101	Rahul	Mehta	28	Senior Developer	Java
102	Sneha	Patel	32	Tester	Selenium
103	Amit	Sharma	35	Manager	JIRA
104	Neha	Singh	26	Designer	Figma
105	Karan	Verma	30	DevOps	Docker
1513	Nicholas	Berny	28	Software Developer	Power BI
1569	Yug	Sinha	35	Jr. Backend Support	Microsft 365
NULL	NULL	NULL	NULL	NULL	NULL

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: